

# CONTAX, Inc.

Intelligent Logistics

## Ocean Shipment Status Details

ANSI X12 Transaction Set 315 · Version 4010

<b>Transaction Set</b>	315
<b>Version</b>	ANSI X12 Version 4010 (004010)
<b>Functional Group ID</b>	QO
<b>Specification Version</b>	2.1
<b>Issued</b>	2026-06-16
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# Introduction

This document defines the CONTAX implementation of the Ocean Shipment Status Details Transaction Set (315) under ANSI X12 Version 4010. It is intended for developers at ocean carriers and logistics providers configuring EDI status feeds to the CONTAX Intelligent Logistics (IL) platform.

The 315 transaction set conveys status or event details for ocean shipments and containers. It can accommodate one status or event for many shipments, or multiple events for a single shipment. Port or terminal information is conveyed via the mandatory R4 loop, with associated dates in DTM segments.

### Key conventions:

- Req. Des. M = Mandatory; O = Optional; X = Conditional (see syntax notes).
- Dates use CCYYMMDD format. Times use HHMM to HHMMSSDD.
- The R4 loop is mandatory and must appear at least once per transaction. Each R4 identifies a port or terminal function.
- R401 code '5' (Activity Location) is used exclusively for Customs events. Codes D, E, L, and R are not valid for Customs activity locations.
- Location values in R403 should use UNLOCODE (qualifier UN) unless an alternative qualifier is specified.
- ISA13 must be 9 digits, zero-padded, and must match IEA02 exactly. ST02 must match SE02.

# Transaction Set Map

Pos.	Seg.	Name	Req.	Max Use	Loop Repeat	Notes
010	ST	Transaction Set Header	M	1		Must Use
020	B4	Beginning Segment for Inquiry or Reply	M	1		Must Use
030	N9	Reference Identification	O	30		
040	Q2	Status Details (Ocean)	O	1		
050	N1	Name	M	1	10	Loop N1 — parties
070	N3	Address Information	O	2	N1	
080	N4	Geographic Location	O	1	N1	
060	R4	Port or Terminal	M	1	20	Must Use — Loop R4
070	DTM	Date/Time Reference	O	15	R4	
090	SE	Transaction Set Trailer	M	1		Must Use

# ISA — Interchange Control Header

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Starts and identifies an interchange of one or more functional groups.
<b>Notes</b>	ISA06 and ISA08 must be exactly 15 characters. ISA13 is 9 digits, zero-padded, and must match IEA02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
ISA01	I01	Authorization Information Qualifier	M ID 2/2	00 = No Authorization Information Present
ISA02	I02	Authorization Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA03	I03	Security Information Qualifier	M ID 2/2	00 = No Security Information Present
ISA04	I04	Security Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA05	I05	Interchange ID Qualifier (Sender)	M ID 2/2	Valid 4010 qualifier
ISA06	I06	Interchange Sender ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA07	I05	Interchange ID Qualifier (Receiver)	M ID 2/2	Valid 4010 qualifier
ISA08	I07	Interchange Receiver ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA09	I08	Interchange Date	M DT 6/6	YYMMDD
ISA10	I09	Interchange Time	M TM 4/4	HHMM
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1	U (fixed)
ISA12	I11	Interchange Control Version Number	M ID 5/5	00401 (fixed)
ISA13	I12	Interchange Control Number	M N0 9/9	9 digits zero-padded. Must match IEA02.
ISA14	I13	Acknowledgment Requested	M ID 1/1	0 = None; 1 = Requested
ISA15	I14	Test Indicator	M ID 1/1	P = Production Data; T = Test Data
ISA16	I15	Subelement Separator	M AN 1/1	Must differ from element separator. '~' reserved for segment terminator.

## GS — Functional Group Header

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the beginning of a functional group and provides control information.
<b>Notes</b>	GS06 must match GE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>GS01</b>	479	Functional Identifier Code	M ID 2/2	QO = Ocean Shipment Status Information (313, 315)
<b>GS02</b>	142	Application Sender's Code	M AN 2/15	Trading partner sender ID
<b>GS03</b>	124	Application Receiver's Code	M AN 2/15	Trading partner receiver ID
<b>GS04</b>	373	Date	M DT 8/8	CCYYMMDD
<b>GS05</b>	337	Time	M TM 4/6	HHMM, HHMMSS, HHMMSSD, or HHMMSSDD
<b>GS06</b>	28	Group Control Number	M N0 1/9	Must match GE02
<b>GS07</b>	455	Responsible Agency Code	M ID 1/2	X = ASC X12; T = TDCC
<b>GS08</b>	480	Version/Release/Industry Identifier Code	M AN 1/12	004010

## ST — Transaction Set Header

Header · Position 010 · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the start of a transaction set and assigns a control number.
<b>Notes</b>	ST02 must match SE02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>ST01</b>	143	Transaction Set Identifier Code	M ID 3/3	315 = Status Details (Ocean)
<b>ST02</b>	329	Transaction Set Control Number	M AN 4/9	Unique within the functional group. Must match SE02.

## B4 — Beginning Segment for Inquiry or Reply

Header · Position 020 · Mandatory · Max Use: 1

<b>Purpose</b>	Transmits identifying numbers, dates, and basic data for the status transaction.
<b>Syntax Note 1</b>	If either B407 or B408 is present, then the other is required.
<b>Syntax Note 2</b>	If either B411 or B412 is present, then the other is required.
<b>Semantic Note 1</b>	B404 is the date of last reported status of cargo.
<b>Semantic Note 2</b>	B405 is the time (HHMM) of last reported status of cargo.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>B403</b>	157	Shipment Status Code	0 ID 1/2	See Appendix A for complete code list.
<b>B404</b>	373	Date (Last Status)	M DT 8/8	Date of last reported status, CCYYMMDD
<b>B405</b>	161	Status Time	0 TM 4/4	Time (HHMM) of last reported status
<b>B406</b>	159	Status Location	0 AN 3/5	Airport or terminal code (3–5 chars). For air: if in-flight, origin airport code.
<b>B407</b>	206	Equipment Initial (Container Prefix)	X AN 1/4	Prefix or alphabetic part of equipment unit's identifying number. Required if B408 present.
<b>B408</b>	207	Equipment Number	X AN 1/10	Sequencing or serial part of the equipment unit's identifying number. Required if B407 present.
<b>B409</b>	578	Equipment Status Code	0 ID 1/2	E = Empty; L = Load
<b>B410</b>	24	Equipment Type	0 ID 4/4	ISO equipment type code (e.g., 42G1 = 40' Standard; 45G1 = 45'; BBLK = Break Bulk; LTCL = LCL/Groupage; RORO = Roll On Roll Off)
<b>B411</b>	310	Location Identifier	X AN 1/30	UNLOCODE or other location code. Required if B412 present.
<b>B412</b>	309	Location Qualifier	X ID 1/2	UN = UNLOCODE. Required if B411 present.
<b>B413</b>	761	Equipment Number Check Digit	0 N0 1/1	Check digit applied to the equipment number (ocean only)

## N9 — Reference Identification

Header · Position 030 · Optional · Max Use: 30

<b>Purpose</b>	Transmits reference numbers associated with the shipment or booking.
<b>Syntax Note 1</b>	At least one of N902 or N903 is required.
<b>Semantic Note 1</b>	N906 reflects the time zone the time reflects.
<b>Semantic Note 2</b>	N907 contains data relating to the value cited in N902.
<b>Semantic Note 3</b>	N901 = SCA: N902 contains the SCAC of the interline or third-party carrier. Required for third-party logistics providers.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>N901</b>	128	Reference Identification Qualifier	M ID 2/3	4F = Carrier Assigned Shipper Number; BM = Bill of Lading; BN = Booking Number; EQ = Equipment Number; P8 = Pickup Reference; PO = Purchase Order; SI = Shipper's Identifying Number; SN = Seal Number; VT = Motor Vehicle ID; SCA = SCAC; RU = Route Number; TT = Terminal Code. Any valid 4010 element 128 qualifier accepted.
<b>N902</b>	127	Reference Identification	M AN 1/30	Reference information as specified by the qualifier

## Q2 — Status Details (Ocean)

Header · Position 040 · Optional · Max Use: 1

<b>Purpose</b>	Transmits identifying information relative to vessel, transportation dates, lading quantity, weight, and cube.
<b>Syntax Note 1</b>	If either Q207, Q208, or Q216 are present, then the others are required.
<b>Syntax Note 2</b>	If Q210 is present, then Q211 is required.
<b>Syntax Note 3</b>	If either Q214 or Q215 is present, then the other is required.
<b>Semantic Note 1</b>	Q202 is the code identifying the country in which the ship (vessel) is registered.
<b>Semantic Note 2</b>	Q203 is the required pier date.
<b>Semantic Note 3</b>	Q204 is the date of departure of the vessel.
<b>Semantic Note 4</b>	Q205 is the date the shipment was unloaded from the vessel.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
Q201	597	Vessel Code	0 ID 1/8	Code identifying the vessel
Q202	26	Country Code (Vessel Registry)	0 ID 2/3	Country where the vessel is registered
Q204	373	Date (Vessel Departure)	0 DT 8/8	Date vessel departed, CCYYMMDD
Q205	373	Date (Unloaded)	0 DT 8/8	Date shipment was unloaded from vessel, CCYYMMDD
Q206	80	Lading Quantity	0 N0 1/7	Number of units of the lading commodity
Q207	81	Weight	X R 1/10	Numeric weight. Required if Q208 or Q216 present.
Q208	187	Weight Qualifier	X ID 1/2	G = Gross Weight. Required if Q207 present.
Q209	55	Flight/Voyage Number	0 AN 2/10	Voyage designator
Q210	79	Description	0 AN 1/80	If present, Q211 required.
Q211	127	Reference Identification	0 AN 1/30	Required if Q210 present.
Q212	897	Vessel Code Qualifier	0 ID 1/1	L = Lloyd's Register of Shipping
Q213	182	Vessel Name	M AN 2/28	Name of ship as documented in Lloyd's Register of Ships
Q214	183	Volume	X R 1/8	Volume value. Required if Q215 present.
Q215	184	Volume Unit Qualifier	X ID 1/1	X = Cubic Meters. Required if Q214 present.
Q216	188	Weight Unit Code	X ID 1/1	K = Kilograms. Required if Q207 present.

### LOOP N1 — PARTY IDENTIFICATION (REPEATS UP TO 10)

# N1 — Name

Header · Optional · Max Use: 1 per loop

<b>Purpose</b>	Identifies a party by type of organization, name, and code.
<b>Syntax Note 1</b>	At least one of N102 or N103 is required.
<b>Syntax Note 2</b>	If either N103 or N104 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>N101</b>	98	Entity Identifier Code	M ID 2/3	BT = Bill-to-Party; CA = Carrier; CN = Consignee; SH = Shipper
<b>N102</b>	93	Name	X AN 1/60	Free-form name. Required if N103 absent.
<b>N103</b>	66	Identification Code Qualifier	X ID 1/2	92 = Assigned by Buyer or Buyer's Agent. Required if N104 present.
<b>N104</b>	67	Identification Code	X AN 2/80	Required if N103 present.

## N3 — Address Information

Header · Optional · Max Use: 2 [within Loop N1]

<b>Purpose</b>	Specifies the street address of the named party.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N301	166	Address Information	M AN 1/55	Address line 1
N302	166	Address Information	0 AN 1/55	Address line 2

## N4 — Geographic Location

Header · Optional · Max Use: 1 [within Loop N1]

<b>Purpose</b>	Specifies city, state/province, postal code, and country of the named party.
<b>Syntax Note 1</b>	If N406 is present, then N405 is required.
<b>Comment 2</b>	N402 is required only if city name (N401) is in the U.S. or Canada.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N401	19	City Name	0 AN 2/30	Free-form city name
N402	156	State or Province Code	0 ID 2/2	Standard state/province code
N403	116	Postal Code	0 ID 3/15	International postal zone code
N404	26	Country Code	0 ID 2/3	ISO country code

**LOOP R4 — PORT OR TERMINAL (REPEATS UP TO 20)**

## R4 — Port or Terminal

Header · Position 060 · Mandatory · Max Use: 1 per loop

<b>Purpose</b>	Identifies a contractual or operational port or terminal relevant to the movement of the cargo.
<b>Syntax Note 1</b>	If either R402 or R403 is present, then the other is required.
<b>Comment 1</b>	R4 is required for each port to be identified.
<b>User Note 1</b>	R401 code '5' is used strictly for Customs events. Codes D, E, L, and R will not be provided for Customs events.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>R401</b>	115	Port or Terminal Function Code	M ID 1/1	5 = Activity Location (Customs events only); D = Port of Discharge (Operational); E = Place of Delivery (Contractual); L = Port of Loading (Operational); R = Place of Receipt (Contractual)
<b>R402</b>	309	Location Qualifier	X ID 1/2	UN = United Nations Location Code (UNLOCODE). Required if R403 present.
<b>R403</b>	310	Location Identifier	X AN 1/30	Code which identifies a specific location. Required if R402 present.
<b>R404</b>	114	Port Name	0 AN 2/24	Free-form name for the place at which an offshore carrier originates or terminates
<b>R405</b>	26	Country Code	0 ID 2/3	ISO country code
<b>R408</b>	156	State or Province Code	0 ID 2/2	Standard state/province code

## DTM — Date/Time Reference [within Loop R4]

Header · Position 070 · Optional · Max Use: 15

<b>Purpose</b>	Specifies pertinent dates and times for the port or terminal.
<b>Semantic Note 1</b>	At least one of DTM02, DTM03, or DTM05 is required.
<b>Semantic Note 2</b>	If DTM04 is present, then DTM03 is required.
<b>Semantic Note 3</b>	If either DTM05 or DTM06 is present, then the other is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>DTM01</b>	374	Date/Time Qualifier	M ID 3/3	139 = Estimated; 140 = Actual
<b>DTM02</b>	373	Date	X DT 8/8	CCYYMMDD
<b>DTM03</b>	337	Time	X TM 4/8	HHMM to HHMMSSDD

### S U M M A R Y

## SE — Transaction Set Trailer

Summary · Position 090 · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the end of the transaction set and provides the segment count.
<b>Notes</b>	SE01 includes both ST and SE segments in the count. SE02 must equal ST02.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
SE01	96	Number of Included Segments	M N0 1/10	Total count including ST and SE
SE02	329	Transaction Set Control Number	M AN 4/9	Must equal ST02.

## GE — Functional Group Trailer

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Indicates the end of a functional group.
<b>Notes</b>	GE02 must match GS06.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
<b>GE01</b>	97	Number of Transaction Sets Included	M N0 1/6	Total transaction sets in the functional group
<b>GE02</b>	28	Group Control Number	M N0 1/9	Must match GS06.

# IEA — Interchange Control Trailer

Envelope · Mandatory · Max Use: 1

<b>Purpose</b>	Defines the end of the interchange.
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Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
IEA01	I16	Number of Included Functional Groups	M N0 1/5	Count of functional groups
IEA02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 exactly. Nine digits, zero-padded.

## APPENDIX A — B403 SHIPMENT STATUS CODES

Valid values for B403 (Shipment Status Code). Contact CONTAX EDI support to request support for additional codes.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
A		Arrived		
AE		Loaded on Vessel		
AF		Departed Pickup Location		
AG		Estimated Delivery		
AH		Attempted Delivery		
AL		Loaded on Rail		
AM		Loaded on Truck		
AN		Delivered to Air Carrier		
A0		Loaded on Barge		
AP		Loaded on Feeder Vessel		
AR		Rail Arrival at Destination Intermodal Ramp		
AU		Shipment Available for Pickup		
AV		Available for Delivery		
BF		Booking Confirmed		
C		Estimated To Depart Terminal Location		
CR		Carrier Release		
CT		Customs Released		
CU		Carrier and Customs Release		
D		Completed Unloading at Delivery Location		
E		Estimated to Arrive (En Route)		
EE		Empty Equipment Dispatched		
I		In-Gate		

<b>K</b>		Arrived at Customs		
<b>LOG</b>		Shipment Logged		
<b>OA</b>		Out-Gate		
<b>PA</b>		US Custom Hold/Intensive Examination		
<b>RD</b>		Return Container		
<b>RL</b>		Rail Departure from Origin Intermodal Ramp		
<b>UR</b>		Unloaded from a Rail Car		
<b>UV</b>		Unloaded from Vessel		
<b>VA</b>		Vessel Arrival		
<b>VD</b>		Vessel Departure		
<b>X1</b>		Arrived at Delivery Location		
<b>X2</b>		Estimated Time of Arrival at Consignee Location		
<b>X3</b>		Arrived at Pickup Location		
<b>X4</b>		Arrived at Terminal Location		
<b>X5</b>		En Route to Delivery Location		
<b>X7</b>		En Route to Pickup Location		
<b>XB</b>		Shipment Acknowledged		